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IPDEL Evaluation of Virtual Interface Architecture (VIA)

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protection. The key components of VIA include Virtual Instance, Message Descriptor, and, Send/Receive Queue. GigaNet GNN1000 is a host adapter that ...

www-ceag.uced.edu/papers/VIA-Evaluation.pdf - Similar pages - Note this

Direct message transfer between distributed processes - US Patent ...

8, when a VI NIC processes a descriptor it uses virtual address 800 and the associated memory handle 802 to generate a protection index 806 via address ...

www.patentstorm.us/patents/6647423/description.html - 42k - Gached - Similar pages - Note this

[PS] U-Net/SLE: A Java-based User-Customizable Virtual Network ...

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NIC design. On NICs with a programmable co-processor, for instance, ... in the buer area and pushes a descriptor

on the transmit queue indicating the ...

www.cs.cf.ac.uk/hplworkshop/papers/okpapers/unef-ele.ps - Similar pages - Note this

PII: S0167-739X(01)00060-7

The virtual interface (VI) architecture standard was developed to satisfy the need for a high interfaces to the NIC.

A VI consists of a send queue, ...

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DMA DESCRIPTOR QUEUE READ AND CACHE WRITE POINTER ARRANGEMENT ...

The queue is managed in part by the transport library 223, which provides a DMA queue resource 231 on the NIC 116 with an up-to-date pointer to the next ...

www.freepatentsonline.com/WO2006138649.html - 97k - Cached - Similar pages - Note this

IPDFI Experiences from Debugging a PCIX-based RDMA-capable NIC

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virtual block devices. read(), write(), ioctl(), ... Remote Queues. Buffer regions. RDMA. I/O Initiator. RocketI/O.

Links. NIC. NIC. tests/benchmarks ...

www.ics.forth.gr/~bilas/publications/pdffiles/rio_rait06.pdf - Similar pages - Note this

(WO/2005/104478) NETWORK INTERFACE CARD WITH RDMA CAPABILITY

This requires that a completely different transport library instance would be required In order to use the queue, the NIC stores events on the queue. ...

www.wipo.int/pcldb/en/wo.jsp9IA=GB20050013748DISPLAY=DESC - 42k - Cached - Similar pages - Note this

Arsenic: a user-accessible gigabit ethernet interface - INFOCOM ...

packet filters to the NIC. Each flow is controlled via an independent virtual interface,, with its own receive and transmit queues. The NIC deals with all ...

ieeexplore.ieee.org/iel5/7321/19793/00916688.pdf?arnumber=916688 - Similar pages - Note this

[PDF] Virtual Interface Provider Library (VIPL)

File Format: PDF/Adobe Acrobat - View as HTML Handle of the NIC. ViHandle: Instance of a Virtual Interface. RecvQueue:, VIP_TRUE indicates that the completion was associated with the receive queue ...

www.tu-chemnitz.de/informatik/RA/projects/coogrid/viarpl/download/vipl.pdf - Similar pages - Note this

IPPTI Server I/O Networks Past, Present, and Future

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Traffic classes, virtual channels. Unscheduled outage protection. Schedule outage protection CQ – Completion Queue. HCA Driver/Library. Verb consumer ...

www.sigcomm.org/sigcomm/sigcomm2003/workshop/nicell/presentations/NICELI-Recio-siides.ppt

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